Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1239668

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15		
Name:	Spot Description:		
Address 1:	SecTwpS. R 🗌 East 🗌 West		
Address 2:	Feet from North / South Line of Section		
City: State: Zip:+	Feet from _ East / _ West Line of Section		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()	□NE □NW □SE □SW		
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover	Field Name:		
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows: Operator: Well Name: Original Comp. Date: Original Total Depth:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.		
□ Deepening □ Re-perf. □ Conv. to ENHR □ Conv. to SWD □ Plug Back □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:		
Dual Completion Permit #:			
SWD Permit #: ENHR Permit #:	Location of fluid disposal if hauled offsite:		
GSW Permit #:	Operator Name:		
	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. R East West County: Permit #:		

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

Page Two		
ago riio	1239668	

Operator Name:			Lease Name	9:		_ Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ving and shut-in press	formations penetrated sures, whether shut-in with final chart(s). Atta	pressure reached	static level, hydros	tatic pressures, bot		val tested, time tool erature, fluid recovery,
		btain Geophysical Da or newer AND an ima			nailed to kcc-well-lo	ogs@kcc.ks.go	v. Digital electronic lo
Orill Stem Tests Taker		Yes No			tion (Top), Depth a		Sample
Samples Sent to Geo	logical Survey	☐ Yes ☐ No		lame		Тор	Datum
Cores Taken Electric Log Run		Yes No					
ist All E. Logs Run:							
			NG RECORDset-conductor, surface	New Used	ction ato		
Durnous of String	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIO	NAL CEMENTING / S	SQUEEZE RECOR	 D		
Purpose:	Depth	Type of Cement	# Sacks Used	ı	Type and F	Percent Additives	
Perforate Protect Casing	Top Bottom						
Plug Back TD							
Plug Off Zone							
Did you perform a hydrai	ulic fracturing treatment	on this well?		Yes	No (If No, sk	ip questions 2 ar	nd 3)
oes the volume of the t	otal base fluid of the hyd	Iraulic fracturing treatmer	nt exceed 350,000 gal	ons? Yes	No (If No, sk	ip question 3)	•
Vas the hydraulic fractur	ring treatment informatio	n submitted to the chemi	cal disclosure registry	? Yes	No (If No, fill	out Page Three	of the ACO-1)
Shots Per Foot		ON RECORD - Bridge F			racture, Shot, Cemen		
	Specify	Footage of Each Interval	Periorated	(Amount and Kind of Ma	aterial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN			Cooliit	Other (Fundain)		
Estimated Draductic	0"	Flowing		Gas Lift	Other (Explain)	Con Oil Dell	Q: "
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:		METHOD OF COM	IPLETION:		PRODUCTION	ON INTERVAL:
Vented Solo		Open Hole	Perf. D	ually Comp. C	ommingled		
	bmit ACO-18.)	Other (Specify	•	mit ACO-5) (St	ubmit ACO-4)		

Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Crystal 1
Doc ID	1239668

Tops

Name	Тор	Datum
Stone Corral	1776	+394
Base Stone Corral	1801	+369
Topeka	3119	-949
Heebner	3325	-1155
Toronto	3358	-1188
Lansing	3373	-1203
Muchie	3484	-1308
RTD	3550	-1380

Form	ACO1 - Well Completion
Operator	Bach, Jason dba Bach Oil Production
Well Name	Crystal 1
Doc ID	1239668

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	220	Class A Common	3% CC/2% Gel



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

INVOICE

Invoice Number: 145982

Invoice Date: Sep 22, 2014

Page:

1

Federal Tax I.D.#: 20-8651475

	Customer ID	Field Ticket #	Paymen	t Terms
	Bach	55497	Net 30	Days
2000000	Job Location	Camp Location	Service Date	Due Date
	KS2-01	Russell	Sep 22, 2014	10/22/14

Quantity	. Item	Description	Unit Price	Amount
1.00	WELL NAME	Crystal #1		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
330.00	CEMENT MATERIALS	Gel	0.50	165.00
495.00	CEMENT MATERIALS	Chloride	1.10	544.50
175.00	CEMENT SERVICE	Cubic Feet Charge	2.48	434.00
412.50	CEMENT SERVICE	Ton Mileage Charge	2.75	1,134.38
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	OPERATOR ASSISTANT	Tracy Jordan		
	and the second s			
L	I	— Subtotal		7 527 63

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1,806.63

ONLY IF PAID ON OR BEFORE Oct 22, 2014

Subtotal	7,527.63
Sales Tax	255.49
Total Invoice Amount	7,783.12
Payment/Credit Applied	·
TOTAL	7,783.12

ALLIED OIL & GAS SERVICES, LLC 05547 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SERVICE POINT: Rucell K
DATE 9.22.14 SEC.5 TWP. RANGE 9 CA	ALLED OUT ON LOCATION JOB START JOB FINISH
	Migsburg Ks COUNTY STATE
	\$ 383 OCL W 4 500 Rd 31/2 8 Wind
	OWNER
CONTRACTOR TYPE OF JOB 1 SWFAC.	OWNER
HOLE SIZE 1224 T.D.	CEMENT AMOUNT ORDERED / 1.5 % CO
CASING SIZE 48 DEPTH 2.20 TUBING SIZE DEPTH	AMOUNT ORDERED / 1.5 S/C CO-5
DRILL PIPE DEPTH	4 21.9el 1 30G
TOOL DEPTH	TOMMON 175% @ 17.9 \$3,132.50
PRES. MAX MINIMUM MEAS, LINE SHOE JOINT 15	POZMIX @
CEMENT LEFT IN CSG. 15	GEL 330/15 @ .50 # 165,00
PERFS. DISPLACEMENT 3.05 747	CHLORIDE 49516 @ 110 \$ 544.50
EQUIPMENT)	A0C
DP	- Material, @ 3842,00
PUMPTRUCK CEMENTER LONG BROWN	D Lesse @ 922.08
# 417 HELPER Dawy S	
BULK TRÚCK # 48) DRIVER TYGOV T	
BULK TRUCK	@
# DRIVER	HANDLING 17580 713 @ 2.48 \$ 454.00
	MILEAGE 413 7/m 2-75 \$ 1/34-38
REMARKS:	41213 TOTAL 5,410-03
	SERVICE
	DEPTH OF JOB 2 29
1. Cernerby Dub 104	DEPTH OF JOB
Jee Jee	EXTRA FOOTAGE@
Cement is Surface!	THE BELLOW
- Center - Eus 4 as	MANIFOLD 4/342 50 @ 4/4 4 228-00
-Z (X-1	@
CHARGE TO: JAUL VS	Aux 88455 TOTAL \$ 117.25
STREET	101AL/ 601/13
CITYSTATEXIPX	THE OWN OATS POLITIMENT
	PLUG & FLOAT EQUIPMENT
\ X :/	@
VX	@
To: Allied Oil & Gas Services, LLC.	@
You are hereby requested to rent cementing equipment	@
and furnish cementer and helper(s) to assist owner or	0
contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or	TOTAL
contractor. I have read and understand the "GENERAL	SALES TAX (If Any)
TERMS AND CONDITIONS" listed on the reverse side.	SALES IAA (II AIIY)
1.1 1	TOTAL CHARGES 1 43 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
PRINTED NAME Anthony Martin	DISCOUNT TO TO DUC. OF IFPAID IN 30 DAYS
0 1-11/p(1)	TOTAL CHARGES \$ 7,527.63 DISCOUNT \$ 1,806.63 PRAID IN 30 DAYS Met 5721.00
SIGNATURE (INTHONY // With	
	والمرابع والم



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Bach Oil Production 82 W. 500 Ln. Phillipsburg, KS 67661

INVOICE

Invoice Number: 145987

Invoice Date: Sep 26, 2014 1

Page:

Federal Tax I.D.#: 20-8651475

- Customer ID	Field Ticket#	Paymen	t Terms
Bach	55503	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Sep 26, 2014	10/26/14

Quantity	ltem	Description	Unit Price	Amount
1.00	WELL NAME	Crystal #1	2000 ETTER DE 2000 ANN DE 2000 E SHADERE AVA	THE RESIDENCE OF THE PARTY OF T
255.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	4,824.60
1,000.00	CEMENT MATERIALS	Gel	1.10	1,100.00
255.00	CEMENT SERVICE	Cubic Feet Charge	2.48	632.40
599.25	CEMENT SERVICE	Ton Mileage Charge	2.75	1,647.94
1.00	CEMENT SERVICE	Plug to Abandon	1,525.75	1,525.75
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	OPERATOR ASSISTANT	Jonathan Price		
	المصافية اليهوفية المستحقين المدارات	يد ده ده در در در محمد بالمحمد و مراه در المحمد و المراسعة و المراسعة و المراسعة و المحمد و ا		
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		Cultotal		40 445 00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

2,611.42

ONLY IF PAID ON OR BEFORE Oct 26, 2014

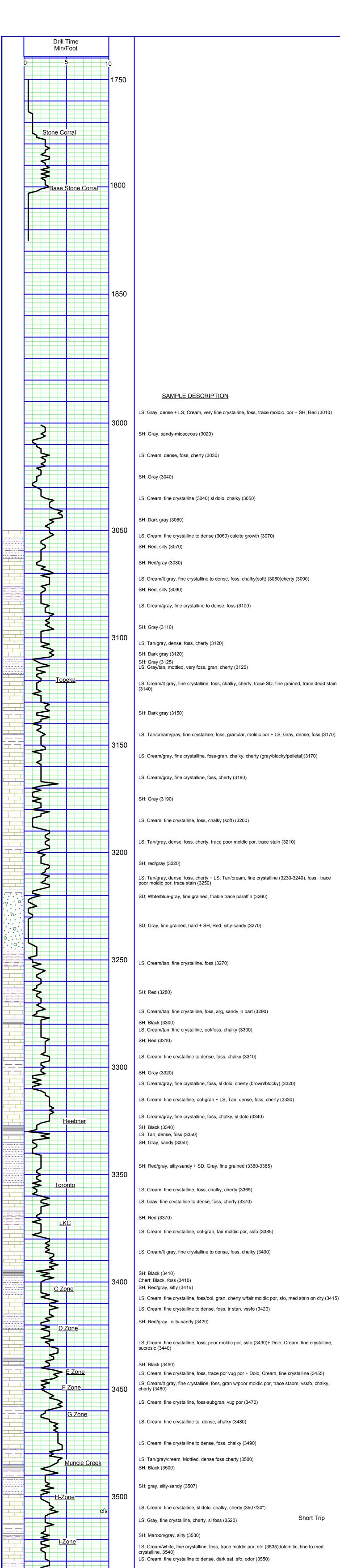
Subtotal	10,445.69
Sales Tax	401.30
Total Invoice Amount	10,846.99
Payment/Credit Applied	
TOTAL	10,846.99

ALLIED OIL & GAS SERVICES, LLC 05 03 Federal Tax I.D.# 20-5975804

·	KANSAS 676	65					<u>. /Cy</u>	sulf Ke
DATE 9. 26.14 SEC.	5 TWP.	RANGE	7 C/	LLED OUT	ON LOC	ATION	JOB START	JOB FINISH
LEASE CIUSTAD WEL		LOCATION	Phill	ipshur g	Kr	:	COUNTY PATIA	STATE
OLD OR NEW Circle or				383 JU		500 ml		<u></u>
CONTRACTOR	Murtin			m, vep	. 102	<u> </u>	1023	
TYPE OF JOB	TA	- 27		OWNER				
HOLE SIZE 7	7/8 T.D),		CEMENT				
CASING SIZE		PTH		AMOUNT O	RDERED_	2	<u>555k</u>	
TUBING SIZE DRILL PIPE 4	7.	PTH PTH ノフダ	: ₀ '		ush	40 +	47. gel	
TOOL		PTH				<u> </u>	D	
PRES. MAX		NIMUM			255sc	1407		z \$ 4,824.
MEAS. LINE CEMENT LEFT IN CSG		OE JOINT	 .	POZMIX GEL	1,000	14	_@	\$ 1,100.00
PERFS.				CHLORIDE			_@ 	+ 1, 00,00
DISPLACEMENT				ASC			_@	
I	EQUIPMENT	1			Ynate	. 0	<u>. @</u>	592460
		1 01	<u>, </u>	1	AMORE	12xx		<u> </u>
	ENTER /	sry 1-10	anrent;	4	4	ise	@ /48/.1:	£
BULK TRUCK	- 1	,]	<u>@</u> @	
# <u>4</u> /0 DRIV	er Jon	4				<u> </u>	- [@]	
BULK TRUCK #	ED	•					@	
† DRIV	EK			HANDLING		<u>t-</u>	@ 2.48 2.75	\$ 632.4
	REMARKS:			MILEAGE る	71.23	<u> </u>		<i>* </i>
PF 17900 8050		72= 1290	~ 1.05×			1	IUIA	rational Land
		70-1010				1		
P3= 270'0 50s	K	P4= 40'0	105c			 SERVI	CE	
5= RAT - 305%		14 838 W	105K	γ		<u> </u>		
5= RAT - 305% 76= Mouse - 155	5Ł	14 8 40'3 14 8 3/8 W	105K	Y				17.90
5= RAT - 30576	5Ł	14 8 40'3 14 8 3/8 W	105K	γ	K CHARG	E		
5= RAT - 305% 76= Mouse - 155	5Ł	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE	K CHARG	E	_@ @	\$ 1,525.7
5= RAT - 305% 76= Mouse - 155	5Ł	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO	K CHARG	E	@ @ <u>7</u> .7 @ 4,4	\$ 1,525.7
5= RAT - 30576 76 - Mouse - 155 See Comen	sk	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE	K CHARG	E	@	\$ 1,525.7
5= RAT - 305% 76: Mouse - 155 See Comen	5Ł	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE	K CHARG	E	@ @ <u>7.</u> 7 @ 4.4	\$1525.7 \$385.00 \$220.0
5= RAT - 30576 76 - 170450 - 155 See Comen	sk	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARG	50 450	@	\$1525.7 \$385.00 \$220.0
5= RAT - 30sp 76: Mouse - 15s See Comen CHARGETO:	tus, Dub	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	K CHARG	50 450	@	\$1525.7 \$385.00 \$220.0
5= RAT - 30570 76 - MOUSE - 155 See Comen CHARGETO:	sk	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARGE TAGE Seau	150 150	@	\$1,525.7 \$385.0 \$220.0 \$411.09 \$5.2,135
5= RAT - 30570 PL: MOUSE - 155	tus, Dub	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARGE TAGE Aight PLUG &	150 150	@ 7.7 @ 4.4 @ @ @ TOTA	\$1,525.7 \$385.0 \$220.0 \$411.09 \$5.2,135
5= RAT - 30570 PL: MOUSE - 155	tus, Dub	14 8 40'3 14 8 3/8 W	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARGE TAGE LE SUN LE SUN PLUG &	150 150	@	#1525.7 #385.0 \$220.0 #411.09 L \$2,135
5= RAT - 305% PL MOUSE - 155 See Comen CHARGE TO:	SACH (1x 83/3 w	105K	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARGE TAGE LE SUN LE SUN PLUG &	50 255 FLOAT	© 7.7 @ 4.4 @ 0 TOTA	#1525.7 #388.0 \$220.0 #411.09 L \$2,135 NT
5= RAT - 305% 76: Mouse - 155 See Comen CHARGE TO: STREET CITY To: Allied Oil & Gas S	SACH (STATE	1x 83/3 w 2x/2 Zip	10se Ph	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARGE TAGE LE SUN LE SUN PLUG &	50 255 FLOAT	© 7.7 @ 4/.4 @ @ TOTA TEQUIPME	# 1,525.7 # 388.0 \$ 220.0 #411.09 L \$ 2,135
5= RAT - 305% 76: Mouse - 155 See Comen CHARGE TO: CITY To: Allied Oil & Gas S You are hereby request	SACH (STATE Services, LLC ted to rent cer	P4 40 3	OSE ON PU	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	CK CHARGE TAGE LE SUN LE SUN PLUG &	50 255 FLOAT	© 7.7 @ 4.4 @ 0 TOTA	#1525.7 #385.0 \$220.0 #411.09 L \$2,135
5= RAT - 30sto 76- Mouse - 15s See Comen CHARGE TO: STREET CITY To: Allied Oil & Gas S You are hereby request and furnish cementer a	STATE Cervices, LLC ted to rent cer and helper(s)	Zip Zip nenting equip to assist owne	ment or	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	PLUG &	50 + 50 + 50 FLOAT	© 7.7 @ 4/.4 @ @ TOTA TEQUIPME @ @ @ @ @	\$1,525.7 \$385.0 \$220.0 \$411.09 \$2,135 NT
E= RAT - 305% The Mouse - 155 See Comen CHARGE TO: STREET CITY To: Allied Oil & Gas S You are hereby request and furnish cementer a contractor to do work a	STATE Services, LLC ted to rent cer and helper(s) as is listed. T	Zip Zip nenting equip to assist owner the above wor	onder (V	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	CK CHARGE TAGE LE SUN LE SUN PLUG &	50 + 50 + 50 FLOAT	© 7.7 @ 4/.4 @ @ TOTA TEQUIPME @ @ @ @ @	#1525.7 #385.0 \$220.0 #411.09 L \$2,135
E= RAT - 30sts The Mouse - 15s See Comen CHARGE TO: STREET CITY To: Allied Oil & Gas S You are hereby request and furnish cementer a contractor to do work a done to satisfaction and contractor. I have read	STATE Services, LLC ted to rent cer and helper(s) to as is listed. To d supervision I and understa	Zip Zip Nentring equip to assist owner age and the "GEN"	ond of the control of	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	PLUG &	50 + 50 + 50 FLOAT	© 7.7 @ 4/.4 @ @ TOTA TEQUIPME @ @ @ @ @	\$1,525.7 \$388.0 \$220.0 \$411.09 \$2,135 NT
To: Allied Oil & Gas S You are hereby request and furnish cementer a contractor to do work a done to satisfaction and contractor. I have read	STATE Services, LLC ted to rent cer and helper(s) to as is listed. To d supervision I and understa	Zip Zip Nentring equip to assist owner age and the "GEN"	oment ror k was nt or ERAL	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	PLUG &	150 250 250 FLOAT	© 7.7 @ 4.4 @ 0 O TOTA LEQUIPME	\$1,525.7 \$388.0 \$220.0 \$411.09 \$2,135 NT
To: Allied Oil & Gas S You are hereby request and furnish cementer a contractor to do work a done to satisfaction and contractor. I have read TERMS AND CONDIT	STATE Services, LLC ted to rent cer and helper(s) to as is listed. T d supervision I and understa TIONS" lister	Zip Zip Zip menting equip to assist owner the above wor of owner age and the "GEN" d on the rever-	oment r or k was int or ERAL se side.	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD	PLUG & (If Any) RGES F	50 +50 +50 FLOAT	© 7.7 @ 4.4 @ 4.9 @ TOTA TEQUIPME @ @ @ @ TOTA	#1525.7 #388.00 \$220.00 #411.09 \$2.1350 NT \$110.00
To: Allied Oil & Gas S You are hereby request and furnish cementer a contractor to do work a done to satisfaction and contractor. I have read	STATE Services, LLC ted to rent cer and helper(s) to as is listed. T d supervision I and understa TIONS" lister	Zip Zip Zip menting equip to assist owner the above wor of owner age and the "GEN" d on the rever-	oment r or k was int or ERAL se side.	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD 	PLUG & (If Any) RGES P	50 2.7; FLOAT	© 7.7 @ 4.4 @ 4.4 @ TOTA TEQUIPME @ @ @ @ @ @ @ @ # TOTA	#1525.7 #388.00 \$220.00 #411.09 \$2.1350 NT \$110.00
To: Allied Oil & Gas S You are hereby request and furnish cementer a contractor to do work a done to satisfaction and contractor. I have read TERMS AND CONDIT	STATE Services, LLC ted to rent cer and helper(s) to as is listed. T d supervision I and understa TIONS" lister	Zip Zip Zip Zip Onenting equip to assist ownee the above wor of owner age and the "GEN" d on the rever-	oment r or k was int or ERAL se side.	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE _ MANIFOLD 	PLUG & (If Any) RGES F	50 2.7; FLOAT	© 7.7 @ 4.4 @ 4.4 @ TOTA TEQUIPME @ @ @ @ @ @ @ @ # TOTA	\$1,525.7 \$388.00 \$220.00 \$411.09 \$2,130 NT

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG **ELEVATION** KB: 2170 **BACH OIL PRODUCTION** GL: 2165 LOG MEASURED WELL: CRYSTAL #1 FROM: KB LOC::150' FNL & 1870' FWL SEC. 35-1-19W **SURFACE CASING** PHILLIPS COUNTY, KANSAS 20# 8 5/8 " API: 15-147-20743-00-00 Casing set @ 220' w/175 SX PRODUCTION CASING DRILLING CONTR.: MURFIN RIG #24 SPUD: 09-22-14 COMP: 09-26-14 D&A MUD UP: 2650' TYPE MUD: CHEM. DRILL TIME: 3000 to' RTD WELL LOG SURVEYS RTD: 3550' LTD:3541' SAMPLES SAVED: 3000'-RTD CDL/DIL GEOLOGIST: ROBERT J. PETERSEN **ELECTRIC LOG TOPS POSITION FORMATION** <u>DEPTH</u> <u>DATUM</u> 1776 Stone Corral +394 Base Stone Corral 1801 +369 -9 Topeka 3119 -949 -6 Heebner 3325 -1155 -1 Subj. Toronto -1188 3358 -6 Ref. Lansing -1203 3373 -4 Well -7 Muncie 3484 -1308 -1352 I Zone 3522 -8 3550 -1380 N/A **REFERENCE WELL:** DAILY REPORT **Bach Oil Production** @7:00 A.M. Wayne Jackson Location: T1S R19W, Sec. 35 SW NE NE NE 554 South, 474 West, from NE corner 09-22-14 MIRU/SPUD REMARKS AND RECOMMENDATIONS 09-23-14 230' 09-24-14 2250' This well was plugged and abandoned by the operator. 09-25-14 3125' Respectfully submitted, 09-26-14 3500' Robert of Return Robert J. Petersen **Drill Time** Min/Foot 10 1750 Stone Corral 1800 Base Stone Corral 1850 SAMPLE DESCRIPTION LS; Gray, dense + LS; Cream, very fine crystalline, foss, trace moldic por + SH; Red (3010) 3000 SH; Gray, sandy-micaceous (3020) LS; Cream, dense, foss, cherty (3030) SH; Gray (3040) LS; Cream, fine crystalline (3040) sl dolo, chalky (3050) SH; Dark gray (3060) 3050 LS; Cream, fine crystalline to dense (3060) calcite growth (3070) SH; Red, silty (3070) SH; Red/gray (3080) LS; Cream/It gray, fine crystalline to dense, foss, chalky(soft) (3080)cherty (3090) SH; Red, silty (3090) LS; Cream/gray, fine crystalline to dense, foss (3100) SH; Gray (3110) 3100 LS; Tan/gray, dense, foss, cherty (3120) SH; Dark gray (3120) SH; Gray (3125) LS; Gray/tan, mottled, very foss, gran, cherty (3125) <u>Topeka</u> LS; Cream/It gray, fine crystalline, foss, chalky, cherty, trace SD; fine grained, trace dead stain SH; Dark gray (3150) LS; Tan/cream/gray, fine crystalline, foss, granular, moldic por + LS; Gray, dense, foss (3170) 3150 LS; Cream/gray, fine crystalline, foss-gran, chalky, cherty (gray/blocky/pelletal)(3170)

RTD



SH; Red/gray, silty (3550)

cfs 3550

3600

LS; Cream, fine crystalline, foss, poor, ppt por, trace stain (3550/30")

LS; Gray, fine crystalline to dense, foss (3550/60")